

CLAIM AMENDMENTS:

Claims 1-4 (Cancelled)

5. (New) A method for improving discoloration in pulp characterized in that a pulp containing a bleached mechanical pulp is irradiated with UV and/or visible light in the presence of at least one compound selected from the group consisting of reducing agents, peroxides and hydrogen-donating organic compounds.

6. (New) The method for improving discoloration in pulp of claim 5 characterized in that the pulp containing a bleached mechanical pulp is a mixture with one or more of bleached semi-chemical pulp, bleached chemical pulp and bleached deinked pulp.

7. (New) The method for improving discoloration in pulp of claim 5 characterized in that the UV and/or visible light is laser light.

8. (New) The method for improving discoloration in pulp of claim 6 characterized in that the UV and/or visible light is laser light.

9. (New) The method for improving discoloration in pulp of claim 5 characterized in that the at least one compound selected from the group consisting of reducing agents, peroxides and hydrogen-donating organic compounds is used in the range of 0.05 to 50% solids by weight on the basis of pulp solids.

10. (New) The method for improving discoloration in pulp of claim 6 characterized in that the at least one compound selected from the group consisting of reducing agents, peroxides and hydrogen-donating organic compounds is used in the range of 0.05 to 50% solids by weight on the basis of pulp solids.

11. (New) The method for improving discoloration in pulp of claim 7 characterized in that the at least one compound selected from the group consisting of reducing agents, peroxides and hydrogen-donating organic compounds is used in the range of 0.05 to 50% solids by weight on the basis of pulp solids.

12. (New) A pulp with improved discoloration obtained by the method for improving discoloration in pulp of claim 5.

13. (New) A pulp with improved discoloration obtained by the method for improving discoloration in pulp of claim 6.

14. (New) A pulp with improved discoloration obtained by the method for improving discoloration in pulp of claim 7.